



Vendor: Python Institute

Exam Code: PCAP-31-03

Exam Name: Certified Associate in Python Programming
Exam

Version: DEMO

QUESTION 1

What is true about the following snippet? (Select two answers)

```
class E(Exception):  
    def __init__(self, message):  
        self.message = message  
    def __str__(self):  
        return "it's nice to see you"  
  
try:  
    print("I feel fine")  
    raise Exception("what a pity")  
except E as e:  
    print(e)  
else:  
    print("the show must go on")
```

- A. the code will raise an unhandled exception
- B. the string I feel fine 'will be seen
- C. the string it's nice to see you will be seen
- D. the string what a pity will be seen

Answer: BD

Explanation:

<pre>1 # Online Python compiler (interpreter) to run Python online. 2 # Write Python 3 code in this online editor and run it. 3- class E(Exception): 4- def __init__(self, message): 5 self.message = message 6- def __str__(self) : 7 return "it's nice to see you" 8 9- try: 10 print("I feel fine") 11 raise Exception("What a pity") 12- except E as e: 13 print(e) 14- else: 15 print("the show must go on")</pre>	<pre>I feel fine Traceback (most recent call last): File "<string>", line 11, in <module> Exception: What a pity > </pre>
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QUESTION 2

What is the expected behavior of the following code?

```
my_list = [1, 2, 3]

try:
    my_list[3] = my_list[2]
except BaseException as error:
    print(error)
```

- A. it outputs error
- B. it outputs list assignment index out of range
- C. the code is erroneous and it will not execute
- D. it outputs <class 'IndexError' >

Answer: B

Explanation:

<pre>1 # Online Python compiler (interpreter) to run Python online. 2 # Write Python 3 code in this online editor and run it. 3 my_list = [1, 2, 3] 4 5 try: 6 my_list[3] = my_list[2] 7 except BaseException as error: 8 print (error)</pre>	<pre>list assignment index out of range ></pre>
---	--

QUESTION 3

Which of the following expression evaluate to True? (Select two answers)

- A. `len('\?') == 1`
- B. `len('') == 0`
- C. `chr(ord('A') + 1) == 'B'`
- D. `ord('Z') - ord('z') == ord('0')`

Answer: AC

Explanation:

```
print(ord('Z') - ord('z') == ord('0'))
print(chr(ord('A') + 1) == 'B' )
print(len('\~') == 1 )
print(len("") == 0 )
```

QUESTION 4

What is the expected behavior of the following code?

```
string = str(1/3)
dummy = ''
for character in strong:
    dummy = character + dummy
print(dummy[-1])
```

- A. it outputs 'None'
- B. it outputs 3
- C. it raises an exception
- D. it outputs 0

Answer: C

Explanation:

Shell

```
Traceback (most recent call last):
  File "<string>", line 5, in <module>
NameError: name 'strong' is not defined
> |
```

QUESTION 6

What is the expected behavior of the following code?

```
class Class:
    Variable = 0
    def __init__(self):
        self.value = 0

object_1 = Class()
object_1.Variable += 1
object_2 = Class()
object_2.value += 1
print(object_2.Variable + object_1.value)
```

- A. it outputs 1
- B. it outputs 0
- C. it raises an exception

D. it outputs 2

Answer: B

Explanation:

```
1 class Class:
2     Variable = 0
3     def __init__(self):
4         self.value = 0
5
6 object_1 = Class()
7 object_1.Variable += 1
8 object_2 = Class()
9 object_2.value += 1
10 print (object_2.Variable + object_1.value)
```

QUESTION 7

What is the expected behavior of the following code?

```
x = 8 ** (1 / 3)
y = 2. if x < 2.3 else 3.
print(y)
```

- A. it outputs 2.0
- B. it outputs 2.5
- C. the code is erroneous and it will not execute
- D. it outputs 3.0

Answer: A

Explanation:

```
8 x = 8 ** (1/3)
9 y = 2. if x < 2.3 else 3.
10 print(y)
11
```

2.0

QUESTION 8

What is the expected behavior of the following code?

```
my_list = [i for i in range(5, 0, -1)]
m = [my_list[i] for i in range (5)] if my_list[i] % 2 == 0]
print(m)
```

- A. the code is erroneous and it will not execute
- B. it outputs [2, 4]
- C. it outputs [4, 2]
- D. it outputs [0, 1, 2, 3, 4]

Answer: A

Explanation:

```
8 my_list = [i for i in range (5, 0, -1)]
9 m = [my_list[i] for i in range (5) ] if my_list[i] % 2 == 0]
10 print(m)
11
```

input

File "main.py", line 9
m = [my_list[i] for i in range (5)] if my_list[i] % 2 == 0]
SyntaxError: unmatched ']'

QUESTION 9

What is the expected output of the following code if the file named non_zero_length_existing_text_file is a non-zero length file located inside the working directory?

```
try:
    f = open('non_zero_length_existing_text_file', 'rt')
    d = f.read(1)
    print(len(d))
    f.close()
except IOError:
    print(-1)
```

- A. 0
- B. -1
- C. an errno value corresponding to file not found
- D. 1

Answer: C

Explanation:

The code doesn't mention the string for a directory if the non-zero length file is located inside of it. So it will be a file not found error.

QUESTION 10

What is the expected output of the following code if there is no file named non_existing_file inside the working directory?

```
try:
    f = open('non_existing_file', 'w')
    print(1, end=' ')
    s = f.readline()
    print(2, end=' ')
except IOError as error:
    print(3, end=' ')
else:
    f.close()
    print(4, end=' ')
```

- A. 2 2
- B. 1 3
- C. 1 2 3
- D. 2 2 3

Answer: B

Explanation:

```
try:
    f = open("linije","w")
    print(1, end="")
    s = f.readline()
    print(2, end="")
except IOError as error:
    print(3, end="")
else:
    f.close()
    print(4, end="")
```

QUESTION 11

What will the value of the i variable be when the following loop finishes its execution?

```
for i in range (10):  
    pass
```

- A. 10
- B. the variable becomes unavailable
- C. 11
- D. 9

Answer: D

Explanation:

Pass only means there are no statements to execute it does not means the variable is unavailable. Try a Print statement Print(i) after the For Loop and there is your result.

QUESTION 12

What is the output of the following piece of code?

```
a= 'ant'  
b= "bat"  
c= 'camel'  
print (a, b, c, sep= " ")
```

- A. ant'bat'camel
- B. ant"bat"camel
- C. antbatcamel
- D. ant bat camel

Answer: B

Explanation:


```
8 a= 'ant'
9 b= 'bat'
10 c= 'camel'
11 print (a, b, c, sep= '"')
```

ant"bat"camel

...Program finished with exit code 0
Press ENTER to exit console.

QUESTION 13

What is the expected output of the following snippet?

```
i=5
while i>0:
    i=i //2
    if i % 2=0:
        break
    else:
        i+=1
print (i)
```

- A. the code is erroneous
- B. 3
- C. 7
- D. 15

Answer: A

Explanation:

The if statement uses the single equal operator instead of the boolean equal operator, making the code erroneous.

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